OPERATING INSTRUCTIONS

AV-25VM1EN/AV-28VM1EN

JVC
English

COLOUR TELEVISION

INSTRUCTIONS

Thank you for purchasing this JVC colour television.
To ensure your complete understanding, please read this manual thoroughly before operation.

WARNING:
TO PREVENT FIRE OR SHOCK
HAZARD, DO NOT EXPOSE THIS
APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO ENSURE
PERSONAL SAFETY, OBSERVE THE
FOLLOWING RULES REGARDING THE
USE OF THIS UNIT.

1. Operate only from the power source
   specified (AC 220 – 240 V, 50 Hz) on
   the unit.
2. Avoid damaging the AC plug and
   power cord.
3. Avoid improper installation and never
   position the unit where good ventilation
   is unattainable.
4. Do not allow objects or liquid into the
   cabinet openings.
5. In the event of a fault, unplug the unit
   and call a service technician. Do not
   attempt to repair it yourself or remove
   the rear cover.

When you don't use this TV set for a long
period of time, be sure to disconnect the
power plug from the AC outlet.

CONNECTION

Connecting the aerial and VCR

Notes:
- Refer to manuals provided with the external devices for further details.
- Connecting cables are not supplied.

If not connecting a VCR, do ①.
If connecting a VCR, proceed ① → ② → ③.

Note:
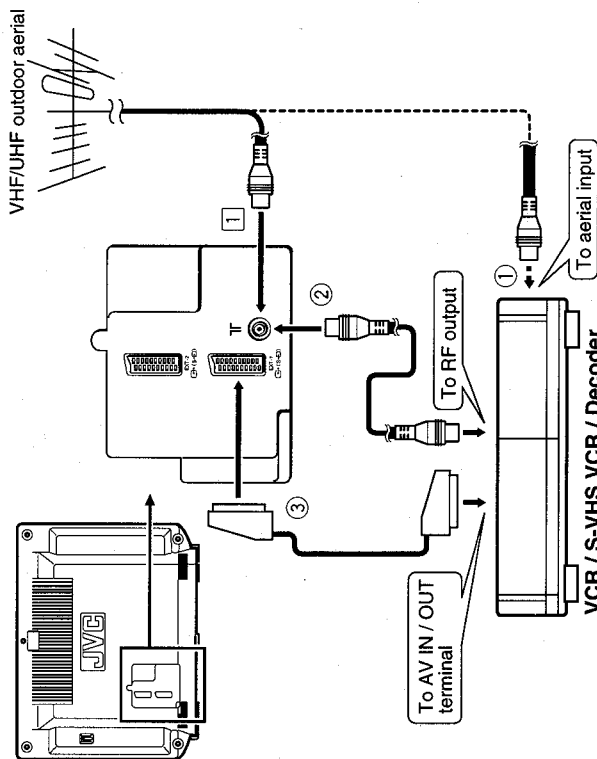- You can view the picture without doing ③. For details, refer to the manual provided with your VCR.

VHF/UHF outdoor aerial

To aerial input

To RF output

To AV IN / OUT terminal

VCR / S-VHS VCR / Decoder

Connecting the power cord

Insert the Power plug into the AC outlet (AC 220 – 240V, 50Hz).

LOCATIONS OF REMOTE CONTROL BUTTONS

① Standby button p.6
② Numeric buttons p.12
③ – button p.12
④ Display button p.16
⑤ Picture/sound button p.15
⑥ Colour system button p.14
⑦ EXT-2 output button p.5
⑧ Sleep timer button p.16
⑨ TV/EXT button p.13
⑩ S-IN button p.13
⑪ PR channel up/down button
⑫ Volume –/+ buttons p.12
⑬ Mute button p.14
⑭ Menu buttons p.7
⑮ ECO mode button p.17
⑯ Spatial effect button p.14
⑰ Multi sound button p.14
⑱ Cinema/game button p.15
⑲ 16:9 button p.14
⑳ TELETEXT buttons p.18
㉑ VCR control buttons p.13

JVC
RM-C761

Inserting batteries into the remote control

Correctly insert two batteries observing the ⊕ and ⊖ polarities from the ⊖ end.
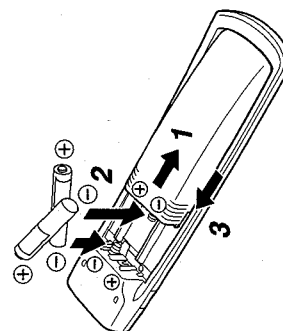
Caution:
- Follow the cautions printed on the batteries.

Notes:
- Use AAA/R03 dry cell batteries.
- Battery life is approximately six months to one year depending on the frequency of use.
- If the remote control operates erratically, replace the batteries.
- The batteries supplied are for testing the remote control, not for regular use.
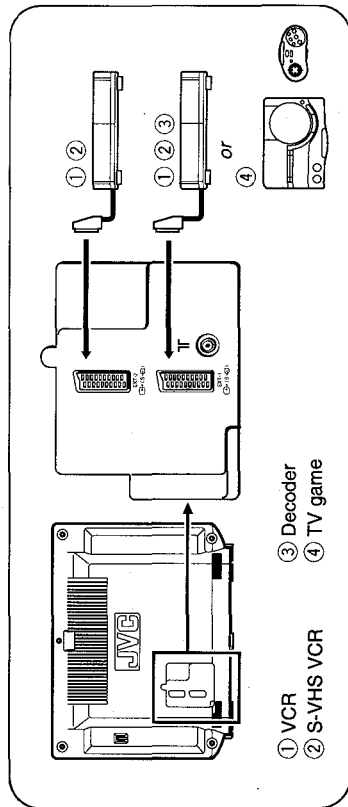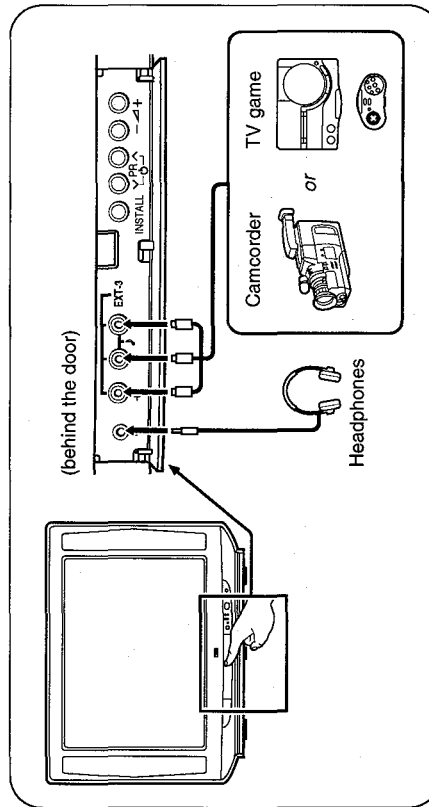
CONNECTION

Connecting external devices

Note:
• Refer to manuals provided with the external devices for further details.

■ When connecting to the terminal on the rear panel

① VCR
② S-VHS VCR
③ Decoder
④ TV game

■ When connecting to the terminal on the front panel

(behind the door)

Camcorder or TV game

Headphones

CONNECTION

Notes:
• This TV set has external device connectors, EXT-1 to EXT-3, to which you can connect a VCR. However, there are some differences in function among them. Consult the following table before making connections.

|	EXT-1	EXT-2	EXT-3 (front)
VIDEO IN	√*1	√*1	√
VIDEO OUT	√*2	√*3	–
S-VIDEO IN	√*1	√*1	–
S-VIDEO OUT	–	–	–
RGB IN	√	–	–
AUDIO-L IN	√	√	√
AUDIO-R IN	√	√	√
AUDIO-L OUT	√*2	√*3	–
AUDIO-R OUT	√*2	√*3	–
Others	Automatic detection and switching of input mode.		

*1 Select VIDEO or S-VIDEO mode by S⊝ (S-IN) button.
*2 Only the TV broadcast is output.
*3 TV broadcasts or inputs from EXT-1 or 3 can be output. However, when you select EXT-2, no signals are output.

• Use headphones with a stereo mini jack (dia. 3.5 mm). When using headphones, the speakers will not output sound.

Selecting EXT-2 Output

Select output to a VCR or other device connected to the EXT-2 terminal.

1. Press ⊝EXT2 (EXT-2 output) button repeatedly.
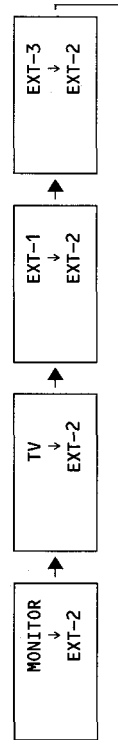
MONITOR: The same sounds and pictures that you are watching on your TV are output from EXT-2.

TV: The sounds and pictures of the PR channel currently selected on your TV are output from EXT-2. This allows you to record TV broadcasts on a VCR connected to EXT-2 while watching a video on EXT-1 or EXT-3.

Notes:
• The EXT-2 signal is not output from your TV when the TV is turned off.
• RGB signals from TV games and TELETEXT screens cannot be output from EXT-2.

Selecting the on-screen language

You can select one of six languages as the on-screen language.

1. Press INSTALL **(Install) button on your TV.**

2. Press (Picture/sound) button.

3. Press △ or ▽ **menu button to select a language, then press** ⊞ **(Display) button twice.**

Note:
- In this manual, on-screen discriptions are given in English. Select ENGLISH.

Presetting PR channels (Programmed channels)

To watch TV, you must first set the broadcast channels to the PR channels on your TV.
You can set up to 100 channels you want to watch.
There are two ways of setting PR channels, automatic setting and manual setting.

■ Automatic setting (AUTO PROGRAM)

Broadcast channels that can be received are automatically judged, and PR channels are set in order from low frequency broadcast channels.

1. Press INSTALL **(Install) button.**

2. Press △ or ▽ **menu button to select AUTO PROGRAM.**

3. Press (Picture/sound) button twice.
The channel is automatically set, and the EDIT menu is displayed.
- To edit PR channels, see page 9.

4. Press ⊞ **(Display) button twice.**
The setting is complete.

Note:
- With automatic setting, a broadcast channel cannot be set to PR channel PR00 (AV).
PR channel PR00 is for viewing RF output video from a VCR.
To set a broadcast channel to PR00 (AV), set by manual setting or by editing a PR channel.

PR channel up/down button
TV/EXT button
Standby button
Numeric buttons
Display button
Menu buttons
Picture/sound button
Main power button

Power lamp

(behind the door)

PR channel up/down buttons
INSTALL button

Turning your TV ON/OFF

■ To turn your TV ON

1. Press ① **(Main power) button to turn Main power ON.**
① (Power) lamp lights up red.
- Your TV enters Standby mode.

2. Press ⏻ **(Standby) button to your TV ON.**
① (Power) lamp changes to green.

Note:
- At step 2, your TV turns ON if you press any of the following buttons:
  - ① PR⌃ (PR channel up/down) buttons on the TV
  - △ (PR channel up/down) button on the remote control
  - numeric buttons
  - (TV/EXT) button

■ To turn your TV OFF

1. Press ⏻ **(Standby) button to your TV OFF.**
① (Power) lamp changes to red.
- Your TV enters Standby mode.

2. Press ① **(Main power) button to turn Main power off.**
① (Power) lamp goes off.

Note:
- We recommend that you turn the Main power OFF if you do not plan to use your TV for a long time and/or you wish to save energy.
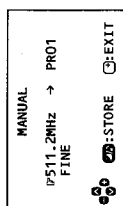
■ Manual setting

You can set a broadcast channel to the desired PR channel. In addition, you can set broadcast channels not preset by automatic setting.

1. Press INSTALL (Install) button.

2. Press [<] or [v] menu button to select MANUAL, then press [♪♫] (Picture/sound) button.

```
      MANUAL
P511.2MHz → PR01
     FINE
   :STORE  :EXIT
```

3. Press [P] (PR channel up/down) button to select PR channel number.

4. Press [−] or [+] menu button to select the frequency of the broadcast channel.

Scanning is stopped automatically when a broadcast is received. Repeatedly press [−] or [+] menu button to scan until the desired broadcast is received.

5. Press [♪♫] (Picture/sound) button.

The on-screen display blinks once, and the current settings are stored as a PR channel. Repeat steps 3 to 5 to store all desired broadcast channels.

6. Press [⊞] (Display) button twice.

The setting is complete.

Note:
• For details on the frequency of broadcast channels, see "Broadcast Channel Frequency Table" on page 11.

If the picture is not clear:
• Press [v] menu button to select FINE. Then press [−] or [+] menu button to fine-tune the channel.

Editing PR channels

You can delete unwanted broadcast channels or change the PR channel number in the EDIT menu. You can also turn channel skip ON or OFF, or set a station ID to a broadcast channel.

■ How to edit PR channels

1. Press INSTALL (Install) button to display the INSTALLATION menu.

```
INSTALLATION
▷LANGUAGE
 AUTO PROGRAM
 MANUAL
 EDIT

   :ENTER  :EXIT
```
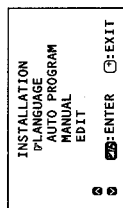
2. Press [<] or [v] menu button to select EDIT. Then, press [♪♫] (Picture/sound) button to display the EDIT menu.

```
        EDIT
▷182.2MHz → PR05   1 2
 ID        JVC1    3
 SKIP      OFF     4
   :DELETE  :STORE  :EXIT
```
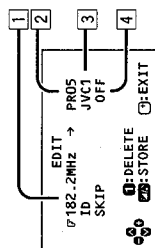
1: frequency of broadcast channel
2: PR channel number
3: station ID
4: channel skip setting

3. Press [<] (PR channel up/down) button to set the PR channel number to PR01.

The broadcast channel set to PR01 is displayed on screen.

```
        EDIT
▷48.2MHz → PR01
 ID        OFF
 SKIP
   :DELETE  :STORE  :EXIT
```
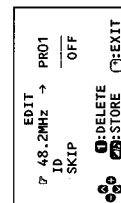
Note:
• To change the PR00 (AV) setting, set the PR channel number to 00 and start editing.

Notes:
• When automatic setting is finished, the screen changes to the EDIT screen for PR channel PR01. To continue editing PR channels, proceed to step 4.
• For details on the frequency of broadcast channels, see "Broadcast Channel Frequency Table" on page 11.

9

8

PREPARATION

4. Change the currently displayed PR channel setting.

When leaving the setting as it is, proceed to step 5.

● **To delete the broadcast channel set to the current PR channel:**

(1) Press numeric button ⓪.
- The broadcast channel set to the next PR channel is reset, and then displayed on screen.

Note:
- Broadcast channels set to a PR channel number smaller than the current PR channel number cannot be selected.

● **To change the broadcast channel set to the current PR channel:**

(1) Press ⊖ or ⊕ menu button to select the desired broadcast channel.

● **To turn the channel skip setting of the current broadcast channel ON or OFF:**

(1) Press ◁ or ▽ menu button to select SKIP.
(2) Press ⊖ or ⊕ menu button to turn the channel skip setting ON or OFF.

Note:
- When you turn channel skip ON, the PR channel can no longer be selected by the PR channel up/down button.

● **To set the station ID to the current broadcast channel:**

(1) Press ◁ or ▽ menu button to select ID.
(2) Press ⊕ menu button to select the position for entering the station ID.
- The colour of the selected position changes.
(3) Repeatedly press ◁ or ▽ menu button to select the ID letters.
(4) Press ⊕ or ⊖ button to move the entry position.
(5) Repeat steps (3) and (4) to complete setting of the station ID.
(6) Press ⊕ button to return to ID.

5. Press ⓐ/ⓑ (Picture/sound) button to end setting of the current PR channel.

The EDIT menu for the next PR channel is displayed, and the broadcast channel set for that PR channel is selected.
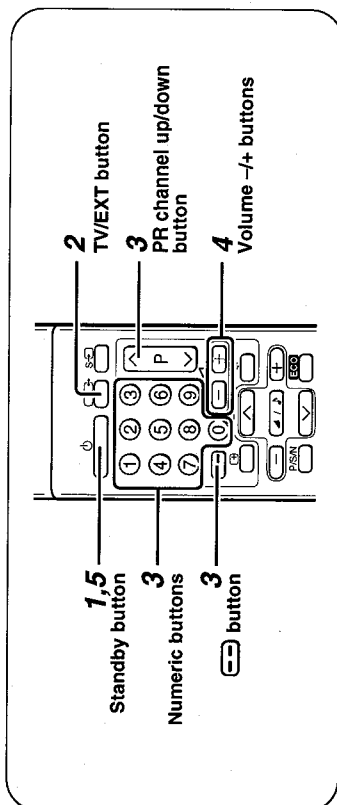
Note:
- To change the setting of a PR channel having a number smaller than the currently displayed PR channel number, return to step 3., and select the PR channel whose setting you want to reset.

10

PREPARATION

6. Repeat steps 4. and 5. to change the settings of all PR channels.

When you have finished setting all PR channels, return to the EDIT menu of PR channel PR01.

7. Press ⊞ (Display) button twice to delete the EDIT menu.

Editing of PR channels is complete.

Broadcast Channel Frequency Table

- This TV displays only one digit past the decimal point for Broadcast channel Frequency values.

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
E2	48.25	S15, U5	259.25	E24	495.25	E54	735.25
E3	55.25	S16, U6	266.25	E25	503.25	E55	743.25
E4	62.25	S17, U7	273.25	E26	511.25	E56	751.25
X	69.25	S18, U8	280.25	E27	519.25	E57	759.25
Y	76.25	S19, U9	287.25	E28	527.25	E58	767.25
Z	83.25	S20, U10	294.25	E29	535.25	E59	775.25
Z+1	90.25	S21, U11	303.25	E30	543.25	E60	783.25
Z+2	97.25	S22, U12	311.25	E31	551.25	E61	791.25
S1, M1	105.25	S23, U13	319.25	E32	559.25	E62	799.25
S2, M2	112.25	S24, U14	327.25	E33	567.25	E63	807.25
S3, M3	119.25	S25, U15	335.25	E34	575.25	E64	815.25
S4, M4	126.25	S26, U16	343.25	E35	583.25	E65	823.25
S5, M5	133.25	S27, U17	351.25	E36	591.25	E66	831.25
S6, M6	140.25	S28, U18	359.25	E37	599.25	E67	839.25
S7, M7	147.25	S29, U19	367.25	E38	607.25	E68	847.25
S8, M8	154.25	S30, U20	375.25	E39	615.25	E69	855.25
S9, M9	161.25	S31, U21	383.25	E40	623.25		
S10, M10	168.25	S32, U22	391.25	E41	631.25	**Channel**	**Frequency (MHz)**
E5	175.25	S33, U23	399.25	E42	639.25	ITALY A	53.75
E6	182.25	S34, U24	407.25	E43	647.25	ITALY B	62.25
E7	189.25	S35, U25	415.25	E44	655.25	ITALY C	82.25
E8	196.25	S36, U26	423.25	E45	663.25	ITALY D	175.25
E9	203.25	S37, U27	431.25	E46	671.25	ITALY E	183.75
E10	210.25	S38, U28	439.25	E47	679.25	ITALY F	192.25
E11	217.25	S39, U29	447.25	E48	687.25	ITALY G	201.25
E12	224.25	S40, U30	455.25	E49	695.25	ITALY H	210.25
S11, U1	231.25	S41, U31	463.25	E50	703.25	ITALY H+1	217.25
S12, U2	238.25	E21	471.25	E51	711.25	ITALY H+2	224.25
S13, U3	245.25	E22	479.25	E52	719.25		
S14, U4	252.25	E23	487.25	E53	727.25		

11

BASIC OPERATION

Viewing a Television Programme

2 TV/EXT button

3 PR channel up/down button

4 Volume –/+ buttons

1,5 Standby button

3 Numeric buttons

3 ⊡ button

1. Press ⏻ (Standby) button to turn your TV ON.
⏀ (Power) lamp changes colour from red to green.

Note:
• If your TV does not turn ON, press Main power button and press Standby button again.

2. If your TV is in the EXT mode, press ⏹ (TV/EXT) button to select TV mode.

3. Select a PR channel.

Note:
• PR channel PR00 is displayed as "AV" on screen.

● **Scan selection:**
Press ⏹ (PR channel up/down) button

● **Direct selection:**
When selecting a 1-digit PR channel:
(1) Press numeric button.
When selecting a 2-digit PR channel:
(1) Press ⊡ button.
(2) Use the numeric buttons to enter the 2-digit PR channel number.

4. Press ⊲⊳ (Volume –/+) buttons to adjust the sound.

5. To turn your TV OFF, press ⏻ (Standby) button.
⏀ (Power) lamp changes colour from green to red.

BASIC OPERATION

■ Controlling the TV without using the remote control

(behind the door)

Power lamp

Main power button

1,2 3 4

INSTALL
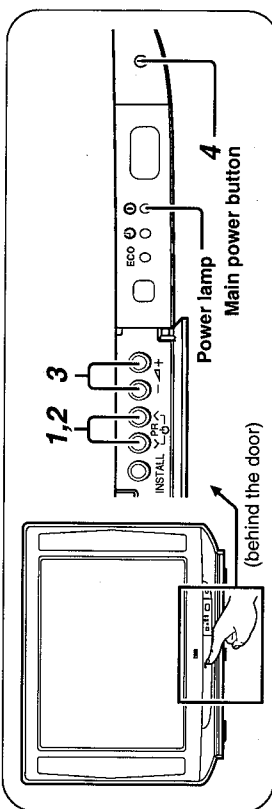
1. Press ⏹PR∧ (PR channel up/down) buttons.

2. Press ⏹PR∧ (PR channel up/down) buttons to select the PR channel.

3. Press ⊲⊳ (Volume –/+) buttons.

4. To turn off your TV, press ⏀ (Main power) button to Main power OFF.
⏀ (Power) lamp goes off.

Notes:
• If your TV does not turn ON, press Main power button and press PR channel up/down buttons again.
• You cannot enter the EXT mode by the buttons on your TV.

Viewing from an external device

1. Press ⏹ (TV/EXT) button to select the appropriate input mode.
The mode changes cyclically in the following order.

→ TV mode → EXT-1 mode → EXT-2 mode
→ EXT-3 mode ◄
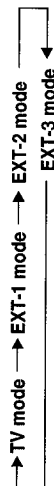
2. Press ⏹ (S-IN) button if you wish to select S-VIDEO mode.

Note:
• You cannot select S-VIDEO mode in the EXT-3 mode.

To control your VCR via the TV remote control
VCR control buttons on the remote control have the same functions as those on the JVC VCR units. For details on the functions, refer to the instruction manual provided with your JVC VCR.

Note:
• Some VCRs or some functions of VCRs may not be operable with this remote control.

15

SOUND AND PICTURE

5. Press (☐/♪) (Picture/sound) button.
The settings are complete.

Note:
- If you press (CINEMA/GAME) (Cinema/game) button to change a setting other than the USER, your Picture/sound adjustment setting is canceled.

Temporary picture/ sound adjustment

You can temporarily adjust the picture and sounds as you like.

1. Press (☐/♪) (Picture/sound) button.
Picture adjust menu appears.

2. Press (∧) or (∨) menu button to select an item, and press (−) or (+) menu button to set the level.

−	Item	+
Reddish	TINT*	Greenish
Low	COLOUR	High
Dark	BRIGHT	Bright
Low	CONT.	High
Soft	SHARP	Sharp

BRIGHT: Brightness
CONT.: Contrast
SHARP: Sharpness

* You can only set TINT when in EXT mode NTSC 3.58 or NTSC 4.43.

3. Press (☐/♪) (Picture/sound) button to display the Sound adjust menu.

4. Press (∧) or (∨) menu button to select an item, and press (−) or (+) menu button to set the level.

−	Item	+
Low	BASS	High
Low	TREBLE	High
Left	BALANCE	Right

Picture/sound selection

You can choose from four Picture/ sound settings.
To do this, press (CINEMA/GAME) (Cinema/game) button repeatedly. The setting changes cyclically in the following order.

CINEMA → GAME → STANDARD → USER

(Cinema mode):
Use this setting when viewing film programmes.

(Game mode):
Use this setting when playing TV games.

STANDARD (Standard mode):
Use this setting for regular viewing.

USER (User mode):
Use this setting to set your own personal Picture/sound setting. To do this, select USER and adjust the setting using Temporary picture/sound adjustment.

SOUND AND PICTURE

Multi sound

You can select the sound system for stereo broadcast programmes and bilingual programmes. To do this, press (Ⅰ/Ⅱ) (Multi sound) button repeatedly to select the desired sound system.

∞: Stereo sound
Ⅰ: Bilingual I (sub I)
Ⅱ: Bilingual II (sub II)
○: Normal sound

Notes:
- MULTI SOUND function has no effect without NICAM or A2 broadcast programmes.
- When displaying the current PR channel number, the current mode appears for approx. 3 seconds.

Mute

You can instantly turn the sound off. To do this, press (Mute) button. To return the sound, press (Mute) button again.

Spatial effect

You can enjoy sounds with a wider ambiance by Spatial effect. To do this, press (Spatial effect) button. To return to normal sound, press (Spatial effect) button again.

Wide screen (16:9)

You can enjoy a wider viewing screen by changing the aspect ratio from standard (4:3) to view panoramic pictures (16:9). To do this, press (16:9) button to alternate the aspect ratios.

(16:9)

(4:3)

Colour system

The colour system is automatically selected. If the picture is not clear, you can change it manually. To do this, press (P/S/N) (Colour system) button repeatedly. The system changes cyclically in the following order.

When in TV mode (channel 1 to 99):

PAL → SECAM

When in TV mode (channel 0):

AUTO → PAL → SECAM

When in EXT mode:

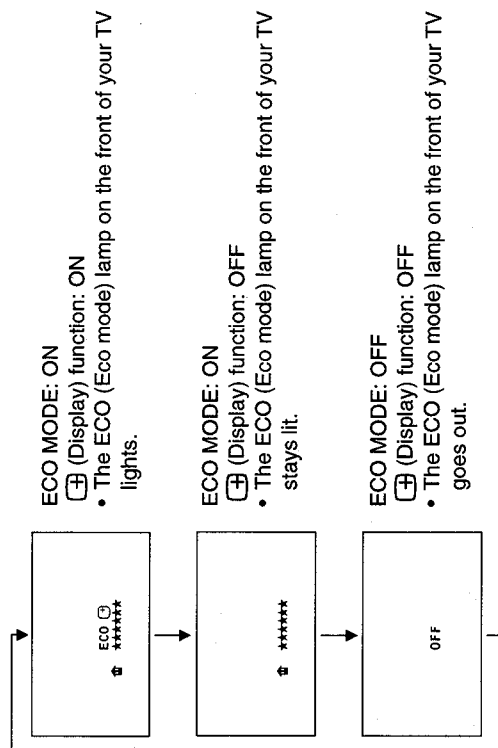AUTO → PAL → SECAM → NTSC3.58 → NTSC4.43

AUTO:
Automatic colour system selection

ECO mode

When you set the ECO mode to ON, the screen contrast is automatically adjusted to the optimum setting matched to the brightness of your room.
For example, you can prevent watching a screen that is unnecessarily bright for a dark room. This reduces eye strain and the power consumption of the TV.

1. Each press of ▨ (Eco mode) button, switches the function as follows.

ECO ☺
✿ ★★★★★

→

✿ ★★★★★

→

OFF

ECO MODE: ON
⊞ (Display) function: ON
• The ECO (Eco mode) lamp on the front of your TV lights.

ECO MODE: ON
⊞ (Display) function: OFF
• The ECO (Eco mode) lamp on the front of your TV stays lit.

ECO MODE: OFF
⊞ (Display) function: OFF
• The ECO (Eco mode) lamp on the front of your TV goes out.
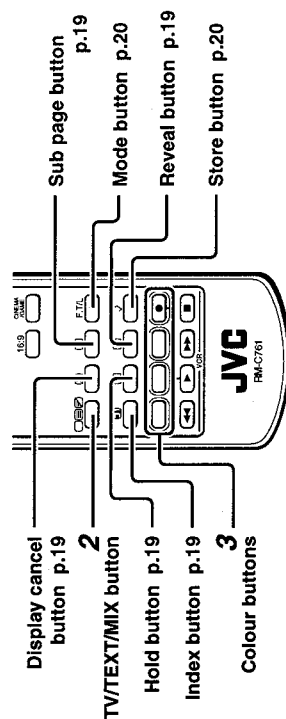
What is the "⊞ (Display) function"?
This function is for displaying the brightness of your room by stars ★ each time the brightness changes when the ECO MODE is ON. Up to six stars ★ shows the brightness of your room. The greater the number of stars, the darker your room is.

Display messages

You can display the channel number and ID, or the current time. To do this, press ⊞ (Display) button repeatedly. The display changes cyclically in the following order.

↱ PR channel → Current → No
↳ number and ID → time → indication ↰

About the current time display:
This TV displays the current time using the current time data of TELETEXT.
• Only the black frame is displayed when watching broadcasts that are not TELETEXT broadcasts.
• When watching videos, the wrong current time is sometimes displayed.

Note:
• The display of the current time runs to the side and is sometimes not displayed when the reception state of TELETEXT broadcast is poor.

Sleep timer

You can set your TV to automatically turn off within a specified period of time. To do this, press ☺☐ (Sleep timer) button repeatedly. The period of time increases in 10-minute intervals.

↱ 0 → 10 → 20 … 100 → 110 → 120 ↰

• ☺ (Sleep timer) lamp lights when the sleep timer is set.
• One minute before the off timer arrives, "GOOD NIGHT!" appears. And three seconds before the off timer arrives, "JVC" is displayed blinking on screen.

To display the remaining time:
Press ☺☐ (Sleep timer) button once.

To cancel the SLEEP TIMER:
Press ☺☐ (Sleep timer) button to return the OFF time to 0.
☺ (Sleep timer) lamp goes off.

Note:
• The main power cannot be turned OFF by the sleep timer.

TELETEXT

TELETEXT functions

■ Display cancel

You can view a normal TV programme while scanning for a teletext page you wish to view.

1. Select the page you want to view.

Scanning starts.

2. Press ⊠ (Display cancel) button.

Your TV enters TV mode.

3. Press (TV/TEXT/MIX) button when the page number you wish to view appears in the upper left of the screen.

■ Page hold

You can hold a page temporarily even as the teletext transmission continues. To do this, press (Hold) button. Pressing (Hold) button or (Index) button, or selecting another teletext page will release the hold mode.

■ Hidden information reveal

Some teletext pages contain hidden information such as answers to questions. You can reveal the hidden information with this function.

To alternate reveal and hide, press (Reveal) button.

■ Index return

You can easily return to the index page by pressing (Index) button. Pressing (Index) button returns to the teletext page on page 100 or a page which has been specified.

Note:
- In LIST mode, pressing (Index) button returns to the page of the page number displayed in red in the lower left area of the screen.

■ Sub-teletext page display

Some teletext pages have sub-pages, which scroll automatically. You can store those pages in memory to view later on.

1. Select a teletext page with sub-pages.

2. Press (Sub page) button.

The input position appears at the bottom left of the screen.

3. Enter the sub-page number.

Example:
To select the third page, press
⓪, ⓪, ⓪, ③.
- You can also select a sub-page number by pressing RED or GREEN COLOUR button.

TELETEXT

Viewing a TELETEXT Programme

You can view three types of teletext programmes: Fastext, TOP and WST. Three types of programmes are automatically recognized by your TV.

Note
- If you have problem concerning a teletext programme, consult your local dealer or television company.

Display cancel button p.19
2
TV/TEXT/MIX button
Hold button p.19
Index button p.19
3
Colour buttons

Sub page button p.19
Mode button p.20
Reveal button p.19
Store button p.20

JVC
RM-C761

1. Select a PR channel that is broadcasting teletext information.

2. Press (TV/TEXT/MIX) button repeatedly to engage TEXT mode or MIX mode.

The mode changes cyclically in the following order.

TV mode → TEXT mode (TEXT only) → MIX mode (TV and TEXT)

3. Select a page you wish to view.

●*To select a page by scanning:*

Press (PR channel up/down) button.
∧ : scans forward to a page or item.
∨ : scans backward to a page or item.

●*To select a page directly:*

Enter a 3-digit page number using numeric buttons.

●*To select a page with COLOUR button:*

Press COLOUR button corresponding to the page number or item displayed at the bottom of the screen.

TROUBLESHOOTING

Important: Review all the instructions written in this INSTRUCTIONS manual.

Problem	Action
Cannot turn TV ON	Press ① (Main power) button. Insert the power plug in an AC outlet.
No picture or sound	Press ▭⊡ (TV/EXT) button to engage the correct mode. Check the aerial connections.
Inoperable remote control	Replace the batteries.
The power shuts OFF automatically	Press ⏻ (Standby) button to turn the TV ON again.
No sound	Disconnect the headphones.
No sound with stereo broadcast	Press ◐◑/▯ (Multi sound) button to select ◯◯ (stereo sound).
No sound for Sub-I or Sub-II for programmes broadcast with dual sound	Press ◐◑/▯ (Multi sound) button to select the appropriate mode.
Poor colours	Adjust the COLOUR and BRIGHTNESS controls. Press ᴾ/ˢᴺ (Colour system) button to select the appropriate system. Press ▭ (Cinema/game) button to select STANDARD mode.
Lines or streaks in picture (interference)	Move the components apart until the interference is eliminated. Move the aerial to a different position or direction.
Spotted picture (crosstalk)	Move the aerial away from the source of interference. Replace the aerial cable with a coaxial cable, which is less prone to interference.
Double pictures (ghost)	Move the aerial to a different position, height or direction. Replace with an aerial having good directivity.
Snowy picture (image noise)	Check the aerial connection and direct it correctly. Replace or repair the aerial.
The screen turns black	Broadcast is not being received. Select another PR channel.
No receivable Teletext programme	Turn to a PR channel that broadcasts teletext information. You cannot watch teletext broadcast recorded on a video tape.
The current time is not displayed	Receive the TELETEXT broadcast.
The current time moves to the side of the screen	The reception state of TELETEXT broadcast is poor, press ▭ (Display) button to erase the current time display.

The following are normal occurrences and are not the result of TV malfunctions:
- When you touch the CRT surface, you might feel a slight charge of static electricity. This is because the CRT contains static electricity; it does not affect the human body.
- Your TV may emit a crackling sound due to a sudden change in temperature. There is no problem unless the picture or sound is abnormal.
- When a still bright image (of a white dress, for example) appears on the screen, the image may be coloured. This problem occurs in all CRTs, and as the bright image disappears, such colouration also disappears.

TELETEXT

■ LIST mode

If you store the number of Teletext pages you often view to memory in the LIST mode, you can quickly call up the desired Teletext page whenever you like.

Note:
- You can store up to four Teletext page numbers to each of PR channels PR01 to PR15.
  You can store up to four Teletext page numbers to other PR channels as common page numbers regardless of the PR channel number.

To call up a stored page:

1. Press ꜰ.ᴛ/ʟ (Mode) button to engage the LIST mode.
   Stored page numbers are displayed at the bottom of the screen.

2. Press COLOUR button of the same colour as the colour of the number of the Teletext page you want to view.
   - To release the LIST mode, press ꜰ.ᴛ/ʟ (Mode) button again.

To change a stored page number:

1. Select a PR channel that is broadcasting a Teletext programme.

2. Press ꜰ.ᴛ/ʟ (Mode) button to engage the LIST mode.
   Stored page numbers are displayed at the bottom of the screen.

3. Select the desired page number, and press COLOUR button of the same colour as the colour of that page number.

4. Enter the number of the Teletext page you want to store in three digits using the numeric buttons.

5. If you want to change another page number, repeat steps 3. and 4.

6. Press ⌂ (Store) button until the displayed page number momentarily changes to white.
   This completes storing of the Teletext page.

Specifications

TV RF system : CCIR B/G

Colour system : PAL, SECAM
(NTSC 3.58/4.43 MHz in EXT mode)

Receiving channels : E2-E12, E21-E69, S1-S41, X, Y, Z, Z+1, Z+2, A-H, H+1, H+2

Sound-multiplex system : A2, NICAM

Teletext system : Fastext (United Kingdom system), TOP (German system),
WST (Standard system)

Power input : AC 220 – 240 V, 50 Hz

Power consumption : Average 94 W, Maximum 132 W, Standby 5.0 W (AV-25VM1EN)
Average 113 W, Maximum 145 W, Standby 5.0 W (AV-28VM1EN)

Picture tube : 59 cm (AV-25VM1EN)
66 cm (AV-28VM1EN)

Audio output : Rated power output : 5 W + 5 W

Speaker : 5 × 12 cm oval × 2

External input/output : • EXT-1 : 21-pin Euroconnector (SCART)
• EXT-2 : 21-pin Euroconnector (SCART)
• EXT-3 : Video input : RCA
Audio inputs : RCA × 2
• Headphone jack : stereo mini jack (dia. 3.5 mm)

Dimensions (W × H × D) : 658 mm × 512 mm × 445 mm (AV-25VM1EN)
728 mm × 558 mm × 480 mm (AV-28VM1EN)

Weight : 26.8 kg (AV-25VM1EN)
33.5 kg (AV-28VM1EN)

Accessories : • Remote control (RM-C761) × 1
• AAA (R03) dry cell battery × 2

Design and specifications subject to change without notice.

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22